



**BANBROS ENGINEERING PVT. LTD.**

The Precision Measurement People

# COMPUTER CONTROL HYDRAULIC SERVO UNIVERSAL TESTING MACHINE



- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*

**BWAW-C-600KN**



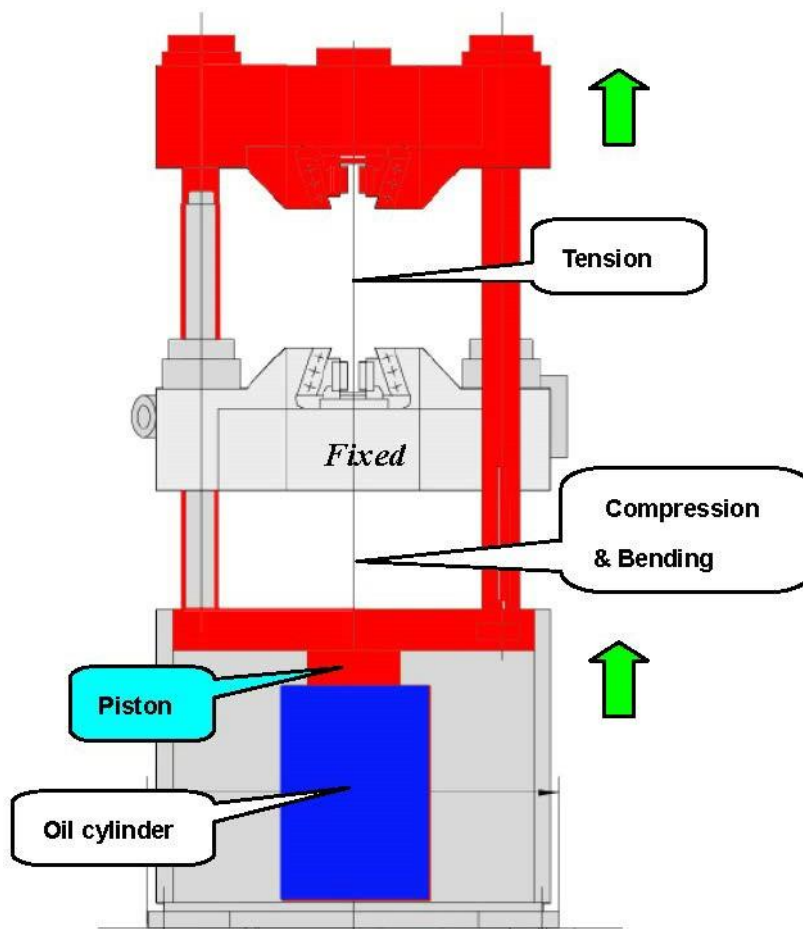
**DESCRIPTION:**

Banbros make Universal Testing Machines are known for their long-lasting trouble-free performance and highest quality material used in the manufacturing process. The Hydraulic universal testing machine can perform tension, compression, flexure/bending and shearing test for kinds of specimens. Suitable for metal and nonmetal material, such as iron, steel, steel bar, rebar, cement, concrete, rod and so on.

Specially design for production, research, student training and industrial laboratory. Available in wide range of load frame capacities (300kN to 2000kN)/ (10Ton to 200Ton) and with combination of control panels (Digital, Computerised) makes Banbros product range suitable for every customer requirement. Load weighing system meets or exceeds the requirements of the following standards: ASTM E4, EN10002-2, BS 1610, DIN 51221, ISO 7500-1.

**APPLICATION:**

Widely used for industrial application, factory quality control, science and research institute, QC &QA college student training, education institute, testing and inspection centre, laboratories, construction company, aerospace, mechanical production, electric appliance fields.















**TECHNICAL SPECIFICATIONS:**

Model No.	BWAW-C-600KN
Max. load	600KN
Structure	C type, Adopt Japan Shimadzu technology, worm wheel and worm shaft to drive crosshead up and down;
Measuring force range	2%~100%
Accuracy of load	±1% of indicated value
Accuracy Of Deformation	±0.5%, resolution: 0.01mm
Constant load, Range	0.4%~100%FS
Deformation measuring	Clip-on extensometer, standard gauge 50mm, extension 5/10/25mm
Column Interval Distance	0.1 620mm
Effective test width space	520mm
Max. tensile space	800mm
Max. compression space	700mm
Flat specimen range	0~30mm
Round specimen range	Φ13~φ40mm
Compression platen	Dia. 200mm
Bending support roller distance	600 mm
Bending roller width	160mm
Bending roller dia.	30mm
Piston stroke	250mm
Max. piston speed	100mm/min
Clamping mode	Hydraulic automatic
Dim. of frame	950×580×2350mm
Dim. of control box	1120×600×920mm
Weight	2700kg

\* Due to continues product development, product image & Specifications are subject to change.

\* Customization can be done as per user requirement.

**MAIN ACCESSORIES:**

High Stiffness Frame (C type)	1 set	
Controlled box (Oil cabinet)	1 set	
Oil Pressure sensor (600KN)	1 set	
Hydraulic power system	1 set	
High-precision electro-hydraulic proportion servo valve	1 set	
<b><i>(Optional )Accuracy imported MOOG servo valve</i></b>		 
Photoelectric encoder for displacement	1 set	
Tension test clamping body (half open crosshead)		
Flat Jaw (0 ~ 15mm, 15-30mm);	Each 1 set	
Round Jaw( $\Phi$ 13- $\Phi$ 26, $\Phi$ 26- $\Phi$ 40)	Each 1 set	
Compression test fixture (Dia. 200mm)	1 set	
Bending Accessories	1 set	
Extensometer		
Tool kit (screwdriver, spanner etc.,)	1 set	



Professional testing software (SmartTest, English version)	1 set	
<i>Metal tensile testing method (ISO 6892);</i>		
<i>Compression testing method (ASTM E9);</i>		
<i>Customize testing method function available.</i>		
Documents (Manual, packing list, certificate)		